

WEST[Help](#) [Logout](#) [Interrupt](#)[Main Menu](#) [Search Form](#) [Posting Counts](#) [Show S Numbers](#) [Edit S Numbers](#) [Preferences](#) [Cases](#)**Search Results -**

Terms	Documents
L1 same mening\$	37

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index

Database: IBM Technical Disclosure Bulletins**Search:**

L3

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History****DATE:** Wednesday, April 02, 2003 [Printable Copy](#) [Create Case](#)

S t Nam Qu ry
side by side

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result set

DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR

<u>L3</u>	L1 same mening\$	37	<u>L3</u>
<u>L2</u>	L1 same mening\$	37	<u>L2</u>
<u>L1</u>	polysacch\$ same conjugat\$ same (combin\$ or polyval\$ or multival\$ or bival\$ or trival\$ or tetraval\$)	464	<u>L1</u>

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 10 of 37 returned.** 1. Document ID: US 20030035806 A1

L2: Entry 1 of 37

File: PGPB

Feb 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030035806

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030035806 A1

TITLE: Novel meningitis conjugate vaccine

PUBLICATION-DATE: February 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
D'Ambra, Anello J.	Mount Pocono	PA	US	
Arnold, Frank J.	Newfoundland	PA	US	
Maleckar, James R.	Nazareth	PA	US	
McMaster, Ronald P.	Stroudsburg	PA	US	

US-CL-CURRENT: 424/184.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
Drawn Desc Image											

 2. Document ID: US 20030022304 A1

L2: Entry 2 of 37

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030022304

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030022304 A1

TITLE: Vaccine composition

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Artois, Claude	Rhode-St-Genese		BE	
Heyder, Koen De	Grimbergen		BE	
Desmons, Pierre	Nivelles		BE	
Garcon, Nathalie	Wavre		BE	
Mainil, Roland	Ghlin		BE	

US-CL-CURRENT: 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMNC
Draw	Desc	Image									

3. Document ID: US 20020192205 A1

L2: Entry 3 of 37

File: PGPB

Dec 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020192205

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020192205 A1

TITLE: Immunogenic compositions of low molecular weight hyaluronic acid and methods to prevent, treat and diagnose infections and diseases caused by group A and group C streptococci

PUBLICATION-DATE: December 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Michon, Francis	Bethesda	MD	US	
Moore, Samuel	Sykesville	MD	US	
Laude-Sharp, Maryline	Olney	MD	US	
Blake, Milan	Fulton	MD	US	

US-CL-CURRENT: 424/94.62

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMNC	
Draw	Desc	Image									

4. Document ID: US 20020156453 A1

L2: Entry 4 of 37

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020156453

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020156453 A1

TITLE: Method and device for reducing therapeutic dosage

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pettis, Ronald J.	Cary	NC	US	
Harvey, Noel G.	Efland	NC	US	
Down, James	Cary	NC	US	
Alchais, Paul G.	Wayne	NJ	US	

US-CL-CURRENT: 604/506; 128/898, 604/117

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc Image										

5. Document ID: US 20020136741 A1

L2: Entry 5 of 37

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020136741
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020136741 A1

TITLE: Preparation and uses of los-depleted outer membrane proteins of gram-negative cocci

PUBLICATION-DATE: September 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zlotnick, Gary W.	Penfield	NY	US	

US-CL-CURRENT: 424/249.1; 424/250.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc Image										

6. Document ID: US 20020110569 A1

L2: Entry 6 of 37

File: PGPB

Aug 15, 2002

PGPUB-DOCUMENT-NUMBER: 20020110569

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020110569 A1

TITLE: Vaccines for broad spectrum protection against diseases caused by *neisseria meningitidis*

PUBLICATION-DATE: August 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Granoff, Dan M.	Berkeley	CA	US	
Moe, Gregory R.	Alameda	CA	US	

US-CL-CURRENT: 424/249.1; 424/190.1

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [KIMC](#)
[Draw](#) [Desc](#) [Image](#)

7. Document ID: US 20020095134 A1

L2: Entry 7 of 37

File: PGPB

Jul 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020095134

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020095134 A1

TITLE: Method for altering drug pharmacokinetics based on medical delivery platform

PUBLICATION-DATE: July 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pettis, Ronald J.	Cary	NC	US	
Harvey, Noel G.	Efland	NC	US	
Alchas, Paul G.	Wayne	NJ	US	
Down, James	Cary	NC	US	

US-CL-CURRENT: 604/506; 604/272

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [KIMC](#)
[Draw](#) [Desc](#) [Image](#)

8. Document ID: US 20020092521 A1

L2: Entry 8 of 37

File: PGPB

Jul 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020092521

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020092521 A1

TITLE: Medicament respiratory delivery device, cartridge and method of making same

PUBLICATION-DATE: July 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sullivan, Vincent J.	Cary	NC	US	
Wills, Anjana Bhuta	Cary	NC	US	
Monahan, Lawrence A.	Willow Spring	NC	US	
Trull, Michael W.	Apex	NC	US	
Knors, Christopher J.	Raleigh	NC	US	

US-CL-CURRENT: 128/200.24; 128/203.12, 128/203.15, 128/203.21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Print
Drawn Desc	Image									

 9. Document ID: US 20020092520 A1

L2: Entry 9 of 37

File: PGPB

Jul 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020092520

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020092520 A1

TITLE: Medicament respiratory delivery device and method

PUBLICATION-DATE: July 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Casper, Robert A.	Sanford	NC	US	
Snow, John M.	Raleigh	NC	US	
Gardner, David L.	Chapel Hill	NC	US	
Sullivan, Vincent J.	Cary	NC	US	
Wills, Anjana Bhuta	Cary	NC	US	
Monahan, Lawrence A.	Willow Spring	NC	US	
Knors, Christopher J.	Raleigh	NC	US	

US-CL-CURRENT: 128/200.22; 128/200.14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Drawn Desc	Image									

10. Document ID: US 20020031526 A1

L2: Entry 10 of 37

File: PGPB

Mar 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020031526

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020031526 A1

TITLE: Antigenic group B streptococcus type II and type III polysaccharide fragments having a 2, 5-anhydro-D-mannose terminal structure and conjugate vaccine thereof

PUBLICATION-DATE: March 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Michon, Francis	Laurel	MD	US	
Uitz, Catherine	Arlington	VA	US	
Tai, Joseph Y.	Fort Washington	PA	US	

US-CL-CURRENT: 424/197.11; 536/53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Drawn Desc	Image									

Terms	Documents
L1 same mening\$	37

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WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 11 through 20 of 37 returned.** 11. Document ID: US 20020031511 A1

L2: Entry 11 of 37

File: PGPB

Mar 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020031511

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020031511 A1

TITLE: Modified meningococcal polysaccharide conjugate vaccines

PUBLICATION-DATE: March 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Jennings, Harold J.	Gloucester	MD	CA	
Pon, Robert	Aylmer		CA	
Lussier, Michele	St. Augustin-des-Maures		CA	
Michon, Francis	Laurel		US	

US-CL-CURRENT: 424/137.1; 536/53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC
Draw	Desc	Image								

 12. Document ID: US 20010048929 A1

L2: Entry 12 of 37

File: PGPB

Dec 6, 2001

PGPUB-DOCUMENT-NUMBER: 20010048929

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010048929 A1

TITLE: NOVEL MULTI-OLIGOSACCHARIDE GLYCOCONJUGATE BACTERIAL MENINGITIS VACCINES

PUBLICATION-DATE: December 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
CHONG, PELE	RICHMOND HILL		CA	
LINDBERG, ALF	LYON		FR	
KLEIN, MICHEL	WILLOWDALE		CA	

US-CL-CURRENT: 424/234.1; 424/236.1, 424/244.1, 424/249.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC
Draw Desc Image										

13. Document ID: US 20010014332 A1

L2: Entry 13 of 37

File: PGPB

Aug 16, 2001

PGPUB-DOCUMENT-NUMBER: 20010014332

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010014332 A1

TITLE: MODIFIED IMMUNOGENIC PNEUMOLYSIN COMPOSITIONS AS VACCINES

PUBLICATION-DATE: August 16, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
MINETTI, CONCEICAO	SILVER SPRING	MD	US	
MICHON, FRANCIS	BETHESDA	MD	US	
PULLEN, JEFFREY K.	COLUMBIA	MD	US	
POLVINO-BODNAR, MARYELLEN	ANNAPOLIS	MD	US	
LIANG, SHU-MEI	NANKANG	PA	TW	
TAI, JOSEPH Y.	COLLEGEVILLE		US	

US-CL-CURRENT: 424/190.1; 424/192.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC
Draw Desc Image										

14. Document ID: US 6500613 B1

L2: Entry 14 of 37

File: USPT

Dec 31, 2002

US-PAT-NO: 6500613

DOCUMENT-IDENTIFIER: US 6500613 B1

TITLE: Pneumococcal surface proteins and uses thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc Image										

15. Document ID: US 6461618 B1

L2: Entry 15 of 37

File: USPT

Oct 8, 2002

US-PAT-NO: 6461618

DOCUMENT-IDENTIFIER: US 6461618 B1

TITLE: 74 kilodalton outer membrane protein from moraxella catarrhalis

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc Image										

16. Document ID: US 6413520 B1

L2: Entry 16 of 37

File: USPT

Jul 2, 2002

US-PAT-NO: 6413520

DOCUMENT-IDENTIFIER: US 6413520 B1

TITLE: Methods of immunizing adults using anti-meningococcal vaccine compositions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc Image										

17. Document ID: US 6403306 B1

L2: Entry 17 of 37

File: USPT

Jun 11, 2002

US-PAT-NO: 6403306

DOCUMENT-IDENTIFIER: US 6403306 B1

TITLE: Serogroup-specific nucleotide sequences in the molecular typing of bacterial isolates and the preparation of vaccines thereto

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image					KIMC				

18. Document ID: US 6372222 B1

L2: Entry 18 of 37

File: USPT

Apr 16, 2002

US-PAT-NO: 6372222

DOCUMENT-IDENTIFIER: US 6372222 B1

TITLE: Antigenic group B Streptococcus type II and type III polysaccharide fragments having a 2, 5-anhydro-D-mannose terminal structure and conjugate vaccine thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image					KIMC				

19. Document ID: US 6355253 B1

L2: Entry 19 of 37

File: USPT

Mar 12, 2002

US-PAT-NO: 6355253

DOCUMENT-IDENTIFIER: US 6355253 B1

TITLE: Preparation and uses of LOS-depleted outer membrane proteins of gram-negative cocci

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image					KIMC				

20. Document ID: US 6350449 B1

L2: Entry 20 of 37

File: USPT

Feb 26, 2002

US-PAT-NO: 6350449

DOCUMENT-IDENTIFIER: US 6350449 B1

TITLE: Antibodies to meningococcal polysaccharide conjugate vaccines

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image					KIMC				

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WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 21 through 30 of 37 returned.** **21. Document ID: US 6284884 B1**

L2: Entry 21 of 37

File: USPT

Sep 4, 2001

US-PAT-NO: 6284884

DOCUMENT-IDENTIFIER: US 6284884 B1

TITLE: Antigenic group B streptococcus type II and type III polysaccharide fragments having a 2,5-anhydro-D-mannose terminal structure and conjugate vaccine thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

KOMC

 22. Document ID: US 5969130 A

L2: Entry 22 of 37

File: USPT

Oct 19, 1999

US-PAT-NO: 5969130

DOCUMENT-IDENTIFIER: US 5969130 A

TITLE: Meningococcal polysaccharide conjugate vaccines

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

KOMC

 23. Document ID: US 5952454 A

L2: Entry 23 of 37

File: USPT

Sep 14, 1999

US-PAT-NO: 5952454

DOCUMENT-IDENTIFIER: US 5952454 A

TITLE: Linking compounds useful for coupling carbohydrates to amine-containing carriers

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image					KUMC				

24. Document ID: US 5948412 A

L2: Entry 24 of 37

File: USPT

Sep 7, 1999

US-PAT-NO: 5948412

DOCUMENT-IDENTIFIER: US 5948412 A

TITLE: Vaccine for *Moraxella catarrhalis*

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image					KUMC				

25. Document ID: US 5932427 A

L2: Entry 25 of 37

File: USPT

Aug 3, 1999

US-PAT-NO: 5932427

DOCUMENT-IDENTIFIER: US 5932427 A

TITLE: In vitro assay system for identifying compositions useful for stimulating B cells

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image					KUMC				

26. Document ID: US 5874085 A

L2: Entry 26 of 37

File: USPT

Feb 23, 1999

US-PAT-NO: 5874085

DOCUMENT-IDENTIFIER: US 5874085 A

TITLE: Vaccine for enhanced production of IgA antibodies

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image					KUMC				

27. Document ID: US 5811102 A

L2: Entry 27 of 37

File: USPT

Sep 22, 1998

US-PAT-NO: 5811102

DOCUMENT-IDENTIFIER: US 5811102 A

TITLE: Modified meningococcal polysaccharide conjugate vaccines

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc Image										

 28. Document ID: US 5623057 A

L2: Entry 28 of 37

File: USPT

Apr 22, 1997

US-PAT-NO: 5623057

DOCUMENT-IDENTIFIER: US 5623057 A

TITLE: Pneumococcal polysaccharide conjugate vaccine

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc Image										

 29. Document ID: US 5445817 A

L2: Entry 29 of 37

File: USPT

Aug 29, 1995

US-PAT-NO: 5445817

DOCUMENT-IDENTIFIER: US 5445817 A

TITLE: Pertussis toxin used as a carrier protein with non-charged saccharides in conjugate vaccines

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc Image										

 30. Document ID: US 5286484 A

L2: Entry 30 of 37

File: USPT

Feb 15, 1994

US-PAT-NO: 5286484

DOCUMENT-IDENTIFIER: US 5286484 A

TITLE: Nucleotide sequence coding for an outer membrane protein from *Neisseria meningitidis* and use of

said protein in vaccine preparations

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KUMC

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31. Document ID: US 4830852 A

L2: Entry 31 of 37

File: USPT

May 16, 1989

US-PAT-NO: 4830852

DOCUMENT-IDENTIFIER: US 4830852 A

TITLE: Covalently-modified neutral bacterial polysaccharides, stable covalent conjugates of such polysaccharides and immunogenic proteins and methods of preparing such polysaccharides and conjugates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KUMC
Draw	Desc	Image								

32. Document ID: US 4727136 A

L2: Entry 32 of 37

File: USPT

Feb 23, 1988

US-PAT-NO: 4727136

DOCUMENT-IDENTIFIER: US 4727136 A

TITLE: Modified meningococcal group B polysaccharide for conjugate vaccine

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KUMC
Draw	Desc	Image								

33. Document ID: US 4619828 A

L2: Entry 33 of 37

File: USPT

Oct 28, 1986

US-PAT-NO: 4619828

DOCUMENT-IDENTIFIER: US 4619828 A

TITLE: Polysaccharide exotoxoid conjugate vaccines

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC		
Draw	Desc	Image										

34. Document ID: US 4601903 A

L2: Entry 34 of 37

File: USPT

Jul 22, 1986

US-PAT-NO: 4601903

DOCUMENT-IDENTIFIER: US 4601903 A

TITLE: Vaccine against *Neisseria meningitidis* Group B serotype 2 invasive disease

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC		
Draw	Desc	Image										

35. Document ID: WO 2058737 A2

L2: Entry 35 of 37

File: EPAB

Aug 1, 2002

PUB-NO: WO002058737A2

DOCUMENT-IDENTIFIER: WO 2058737 A2

TITLE: MULTIVALENT MENINGOCOCCAL POLYSACCHARIDE-PROTEIN CONJUGATE VACCINE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC		
Draw	Desc	Image										

36. Document ID: WO 9845312 A1

L2: Entry 36 of 37

File: EPAB

Oct 15, 1998

PUB-NO: WO009845312A1

DOCUMENT-IDENTIFIER: WO 9845312 A1

TITLE: SEROGROUP-SPECIFIC NUCLEOTIDE SEQUENCES IN THE MOLECULAR TYPING OF BACTERIAL ISOLATES AND THE PREPARATION OF VACCINES THERETO

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC		
Draw	Desc	Image										

37. Document ID: WO 200258737 A2

L2: Entry 37 of 37

File: DWPI

Aug 1, 2002

DERWENT-ACC-NO: 2002-657464

DERWENT-WEEK: 200270

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TITLE: New multivalent vaccine comprises protein-polysaccharide conjugates comprising a capsular polysaccharide from 2 or more serogroup of Neisseria meningitidis, useful for treating or preventing meningococcal infections

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [KMIC](#)

[Draw Desc](#) | [Image](#)

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L1 same mening\$	37

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L2: Entry 35 of 37

File: EPAB

Aug 1, 2002

PUB-NO: WO002058737A2

DOCUMENT-IDENTIFIER: WO 2058737 A2

TITLE: MULTIVALENT MENINGOCOCCAL POLYSACCHARIDE-PROTEIN CONJUGATE VACCINE

PUBN-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	COUNTRY
RYALL, ROBERT P	US

ASSIGNEE-INFORMATION:

NAME	COUNTRY
AVENTIS PASTEUR	US
RYALL ROBERT P	US

APPL-NO: US00201963

APPL-DATE: January 22, 2002

PRIORITY-DATA: US26343501P (January 23, 2001)

INT-CL (IPC): A61 K 47/48

EUR-CL (EPC): A61K047/48; A61K047/48

ABSTRACT:

CHG DATE=20020903 STATUS=0>The present invention describes a combined vaccine that offers broad protection against meningococcal disease caused by the pathogenic bacterial Neisseria meningitidis. The vaccine is comprised of four distinct polysaccharide-protein conjugates that are formulated as a single dose of vaccine. Purified capsular polysaccharides from Neisseria meningitidis serogroups A, C, W-135, and Y are chemically activated and selectively attached to a carrier protein by means of a covalent chemical bond, forming polysaccharide-protein conjugates capable of eliciting long-lasting immunity to a variety of N. meningitidis strains in children as well as adults.

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 31 through 37 of 37 returned.** 31. Document ID: **US 4830852 A**

L2: Entry 31 of 37

File: USPT

May 16, 1989

US-PAT-NO: 4830852

DOCUMENT-IDENTIFIER: US 4830852 A

TITLE: Covalently-modified neutral bacterial polysaccharides, stable covalent conjugates of such polysaccharides and immunogenic proteins and methods of preparing such polysaccharides and conjugates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC
Draw Desc Image										

 32. Document ID: **US 4727136 A**

L2: Entry 32 of 37

File: USPT

Feb 23, 1988

US-PAT-NO: 4727136

DOCUMENT-IDENTIFIER: US 4727136 A

TITLE: Modified meningococcal group B polysaccharide for conjugate vaccine

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC
Draw Desc Image										

 33. Document ID: **US 4619828 A**

L2: Entry 33 of 37

File: USPT

Oct 28, 1986

US-PAT-NO: 4619828

DOCUMENT-IDENTIFIER: US 4619828 A

TITLE: Polysaccharide exotoxoid conjugate vaccines

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image									KIMC

34. Document ID: US 4601903 A

L2: Entry 34 of 37

File: USPT

Jul 22, 1986

US-PAT-NO: 4601903

DOCUMENT-IDENTIFIER: US 4601903 A

TITLE: Vaccine against *Neisseria meningitidis* Group B serotype 2 invasive disease

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image									KIMC

35. Document ID: WO 2058737 A2

L2: Entry 35 of 37

File: EPAB

Aug 1, 2002

PUB-NO: WO002058737A2

DOCUMENT-IDENTIFIER: WO 2058737 A2

TITLE: MULTIVALENT MENINGOCOCCAL POLYSACCHARIDE-PROTEIN CONJUGATE VACCINE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image									KIMC

36. Document ID: WO 9845312 A1

L2: Entry 36 of 37

File: EPAB

Oct 15, 1998

PUB-NO: WO009845312A1

DOCUMENT-IDENTIFIER: WO 9845312 A1

TITLE: SEROGROUP-SPECIFIC NUCLEOTIDE SEQUENCES IN THE MOLECULAR TYPING OF BACTERIAL ISOLATES AND THE PREPARATION OF VACCINES THERETO

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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